



# Channel Islands Marine Protected Areas Socioeconomic and Biological Monitoring Workshop

March 14-16, 2003

Bren School of Environmental Sciences and Management  
University of California, Santa Barbara



## Working Groups

### Biological

**B1 - Trophic Interactions and Ecosystem Structure** - Monitoring of birds and mammals, their species/population dynamics, and how this relates to other populations and habitats within and outside MPAs.

**B2 - Intertidal Monitoring** - Monitoring of intertidal organisms and communities and comparisons of populations within and outside MPAs.

**B3 - Shallow Subtidal Monitoring** - Monitoring of the shallower subtidal regions including kelp forests. Studies of species/population dynamics, community structure, larval production/export, adult movements, fisheries interactions, and comparisons within and outside MPAs.

**B4 - Deep Subtidal Monitoring** - Monitoring of the deeper subtidal regions including groundfish species and pelagics. Studies of species/population dynamics, community structure, larval production/export, adult movements, fisheries interactions, and comparisons within and outside MPAs.

**B5 - Habitat Mapping and Characterization** - Studies focused on mapping and or characterizing habitats in the project area. Prioritization of needed information and suggestions for data collection and distribution, including database management.

### Socioeconomic

**S1a - Commercial Fishing; Catch, Value, and Edge Effect** - Monitor the commercial catch and its value for the project area and spatially document the edge effect of MPAs on commercial fishing.

**S1b - Commercial Fishing; Economic and Social Impacts** - Monitor costs, earnings, and investment of representative fishermen, including tracking of marinas, ports, and harbors and changes in unemployment reporting. Monitor knowledge, attitudes, and perceptions of management strategies.

**S2a - Recreational Fishing and Diving; Use, Catch, and Edge Effect** - Monitor use and catch and spatially document edge effect of MPAs on recreational fishing and consumptive diving.



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**S2b - Recreational Fishing and Diving; Economic and Social Impacts** - Monitor costs, earnings, and investment of representative panels from the charter/party boat and guide industries including tracking of marinas, ports, and harbors, and evaluations of if charter boats relocate. Monitor knowledge, attitudes, and perceptions of management strategies and regulations.

**S3a - Non-Consumptive; Use of MPAs** - Monitor use of charter/party boat and guide industries through representative panels and surveys of California boaters. Spatially document use within MPAs.

**S3b - Non-Consumptive; Economic and Social Impacts** - Monitor costs, earnings, and investments of charter/party and guide industries through representative panels including tracking of marinas, ports, and harbors. Monitor knowledge, attitudes, and perceptions of management strategies.

### Joint Session

**J1 - Education, Outreach, and Information** - Discuss methods of providing information about MPAs and the Monitoring programs to the public, as well as the potential impact of educational or research activities on MPAs.